

R=CH<sub>3</sub>=vinblastine

R=CHO=vincristine

FIG. 1

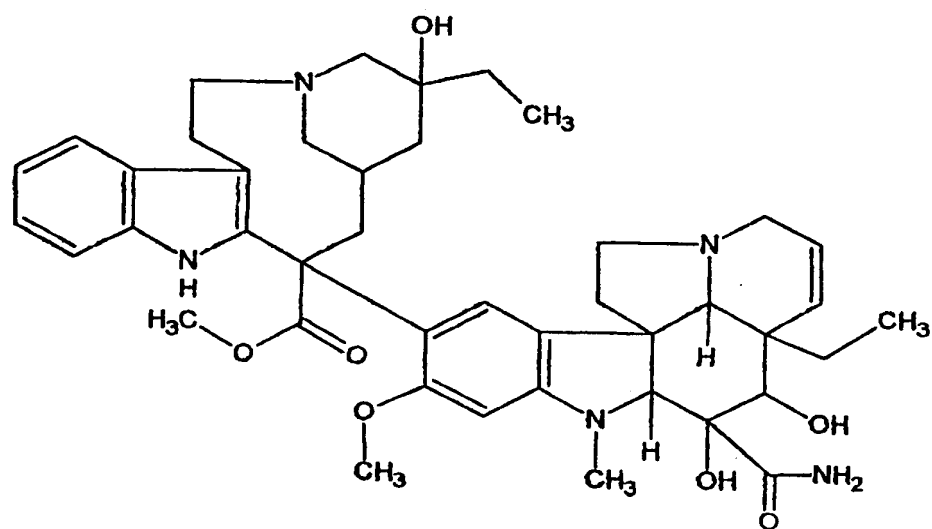


FIG. 2

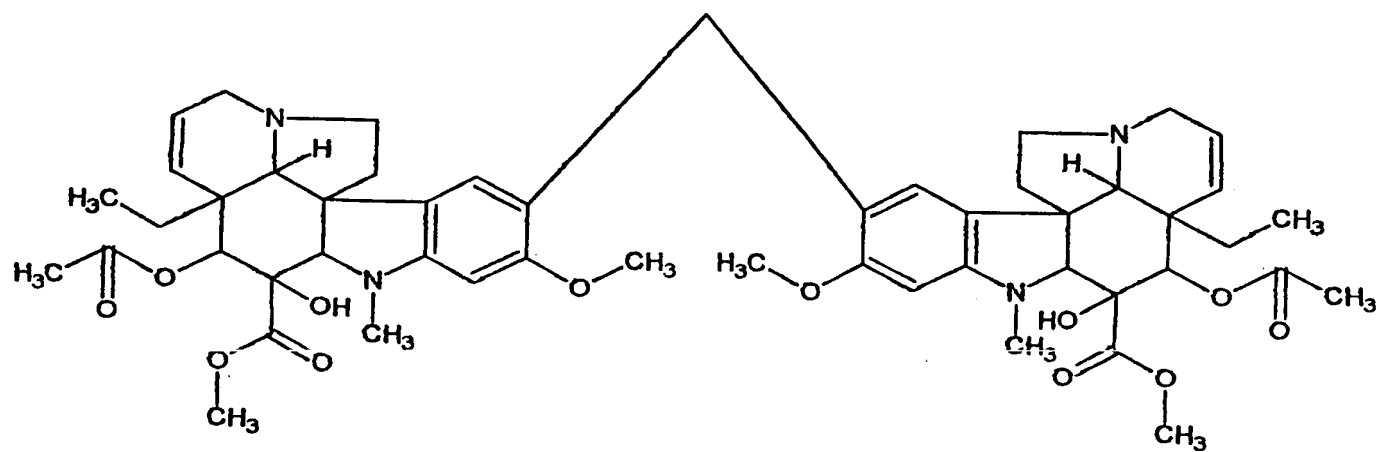


FIG. 3

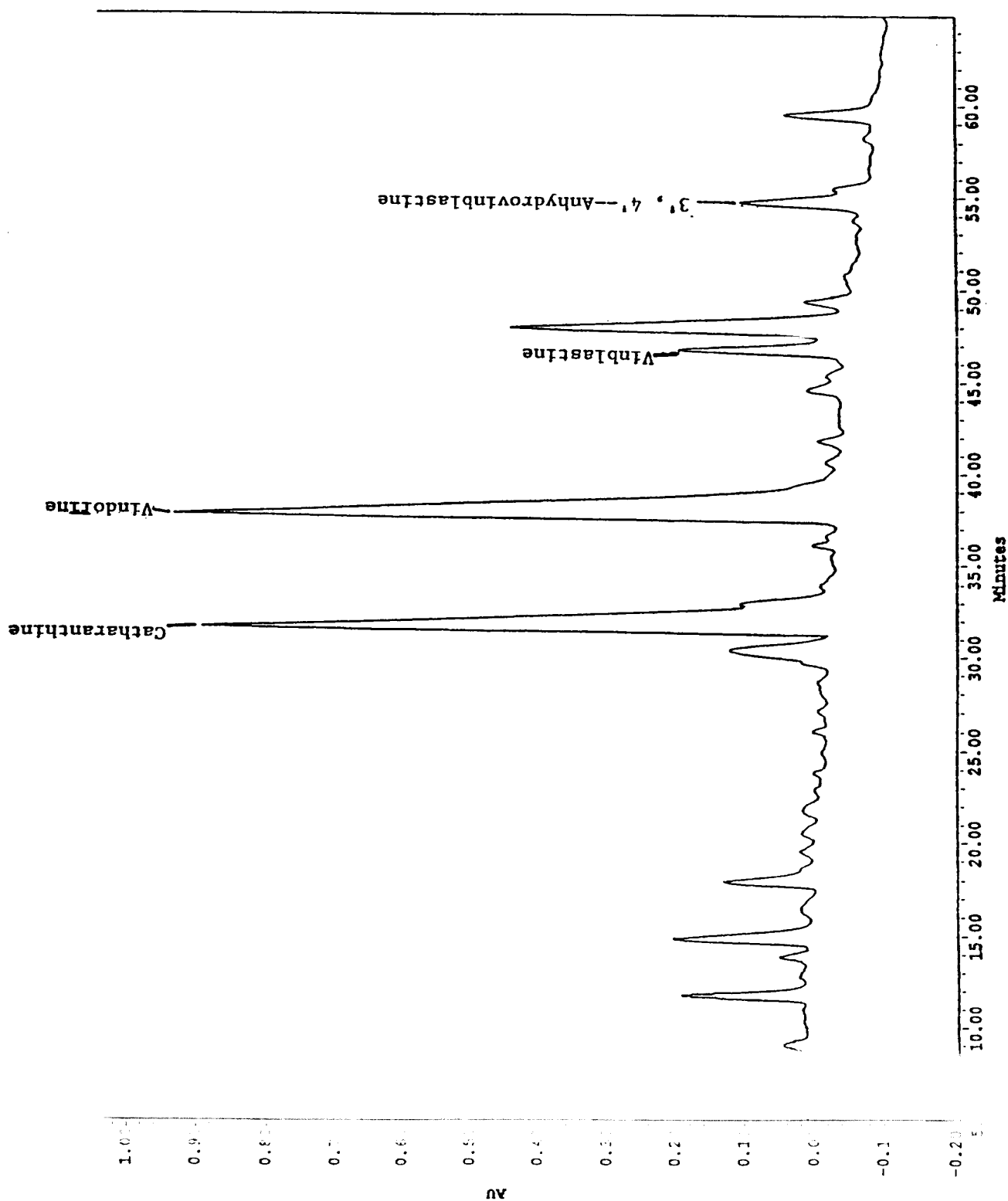


FIG. 4

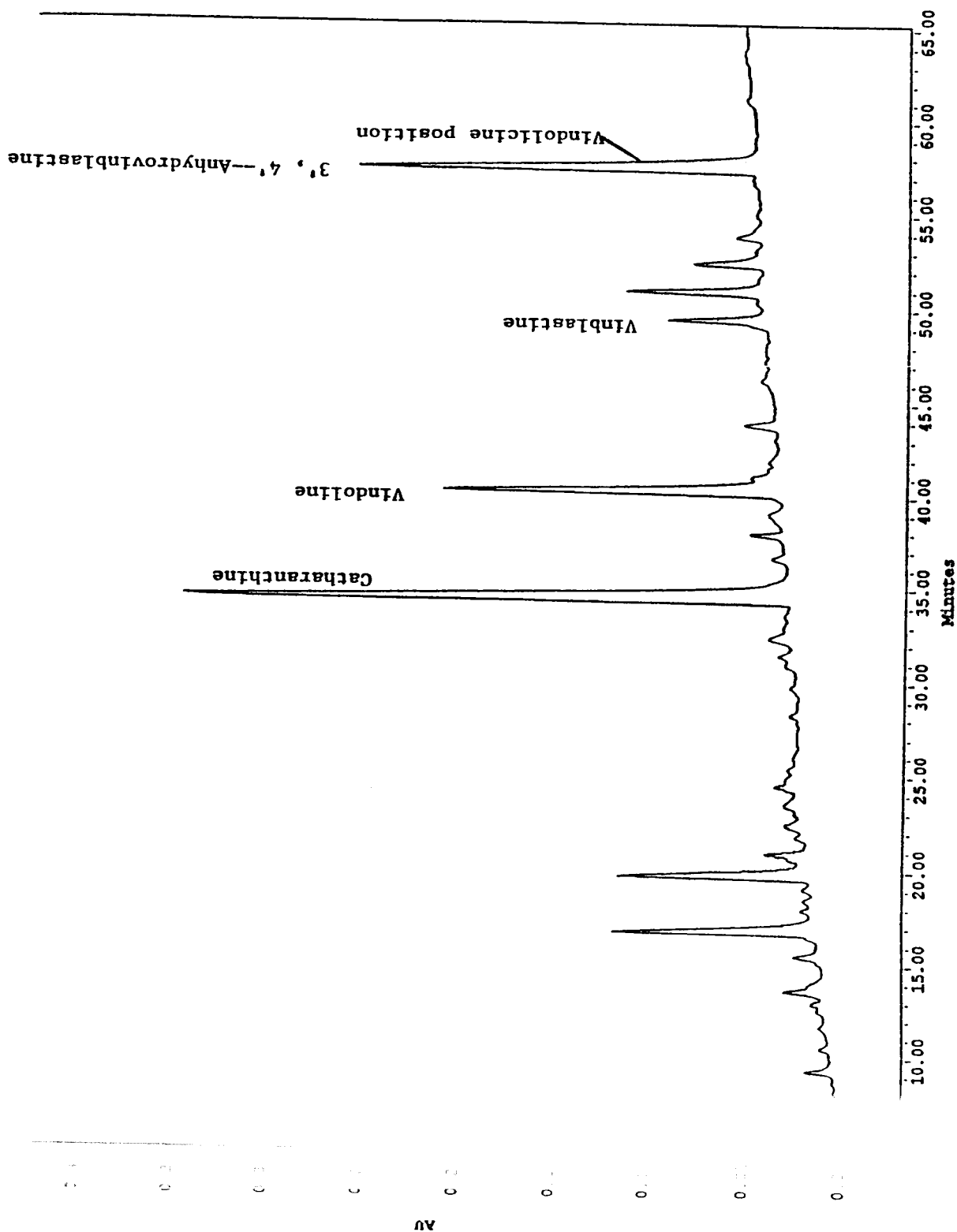


FIG. 5

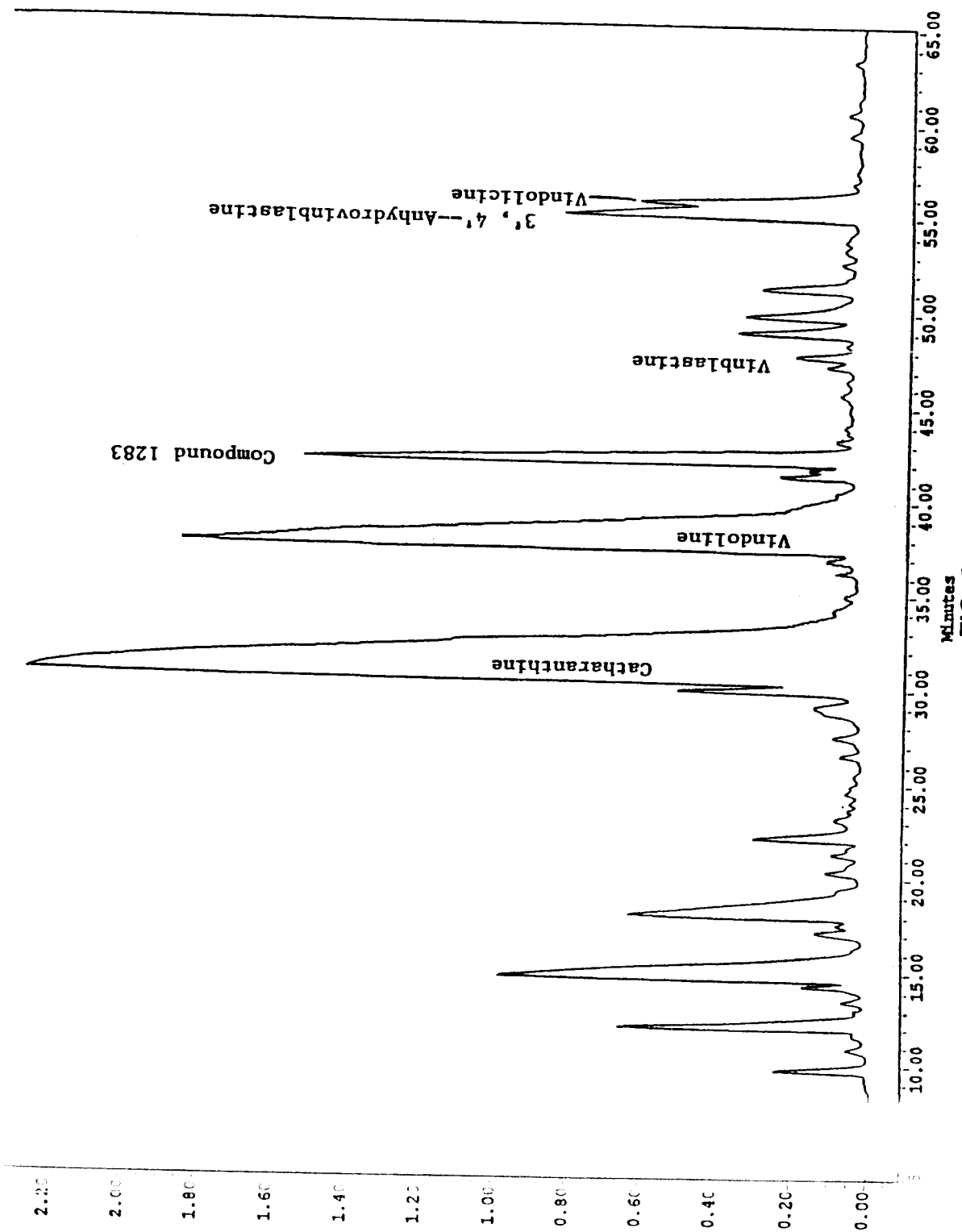


FIG. 6

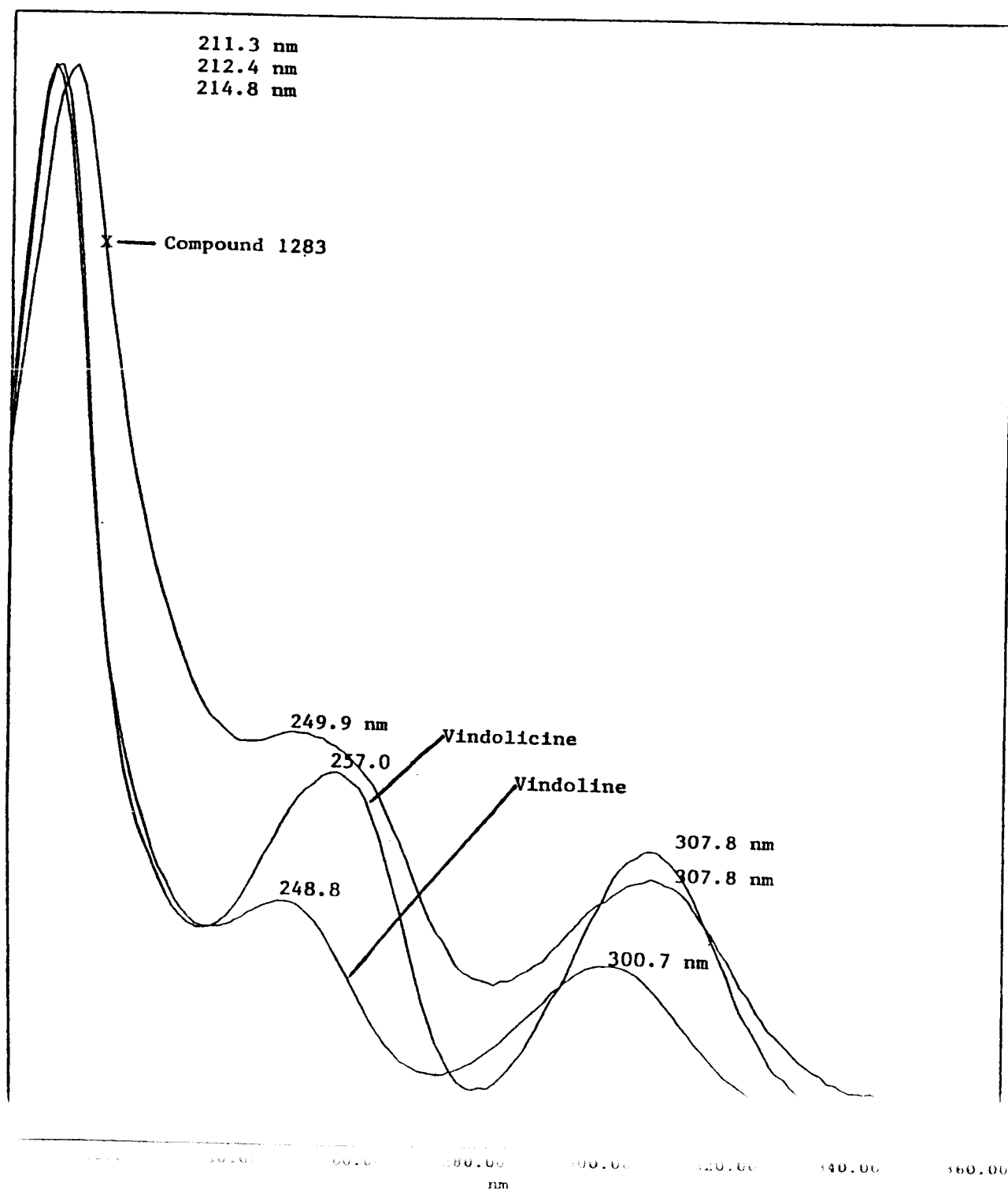


FIG. 7

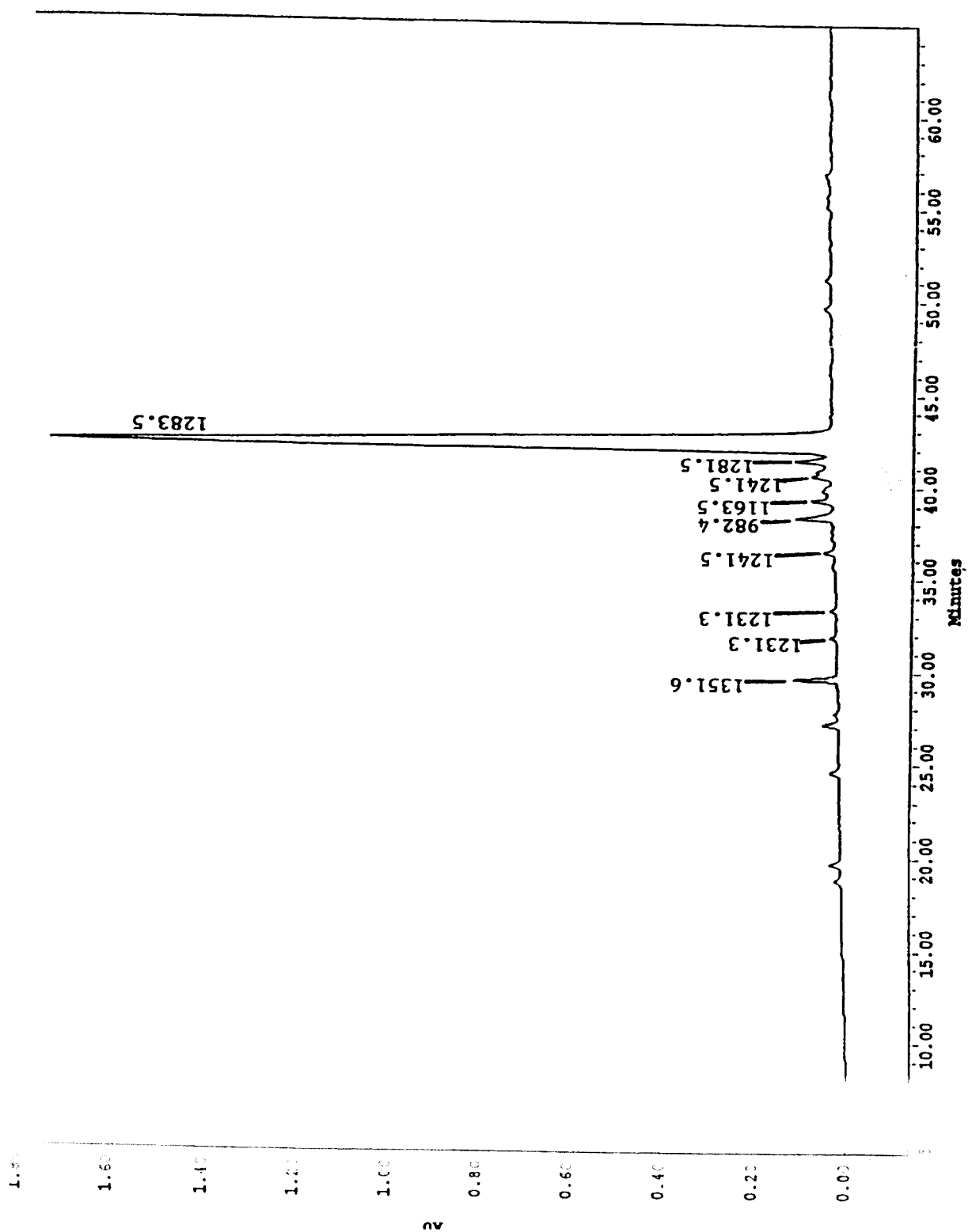


FIG. 8



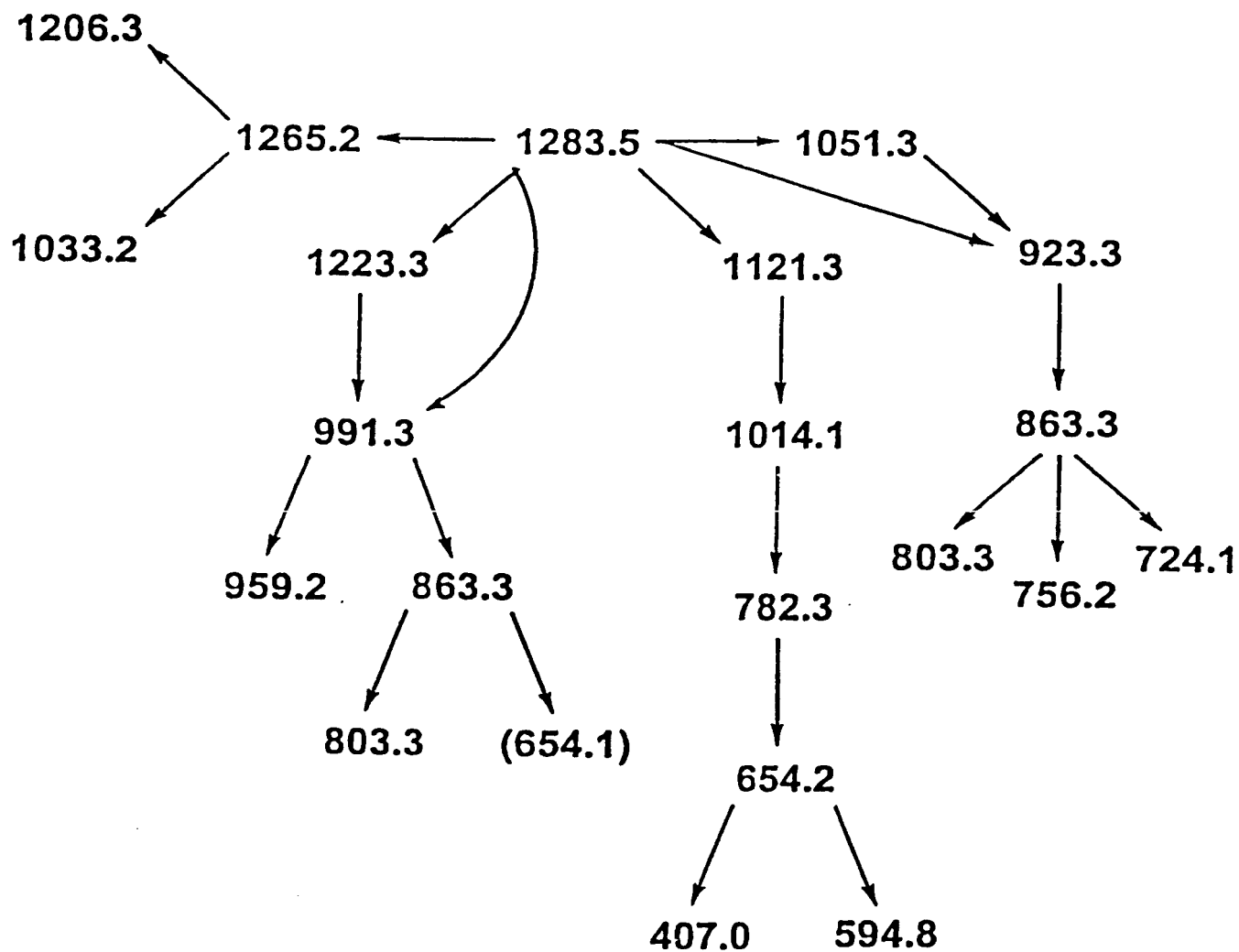


FIG. 9

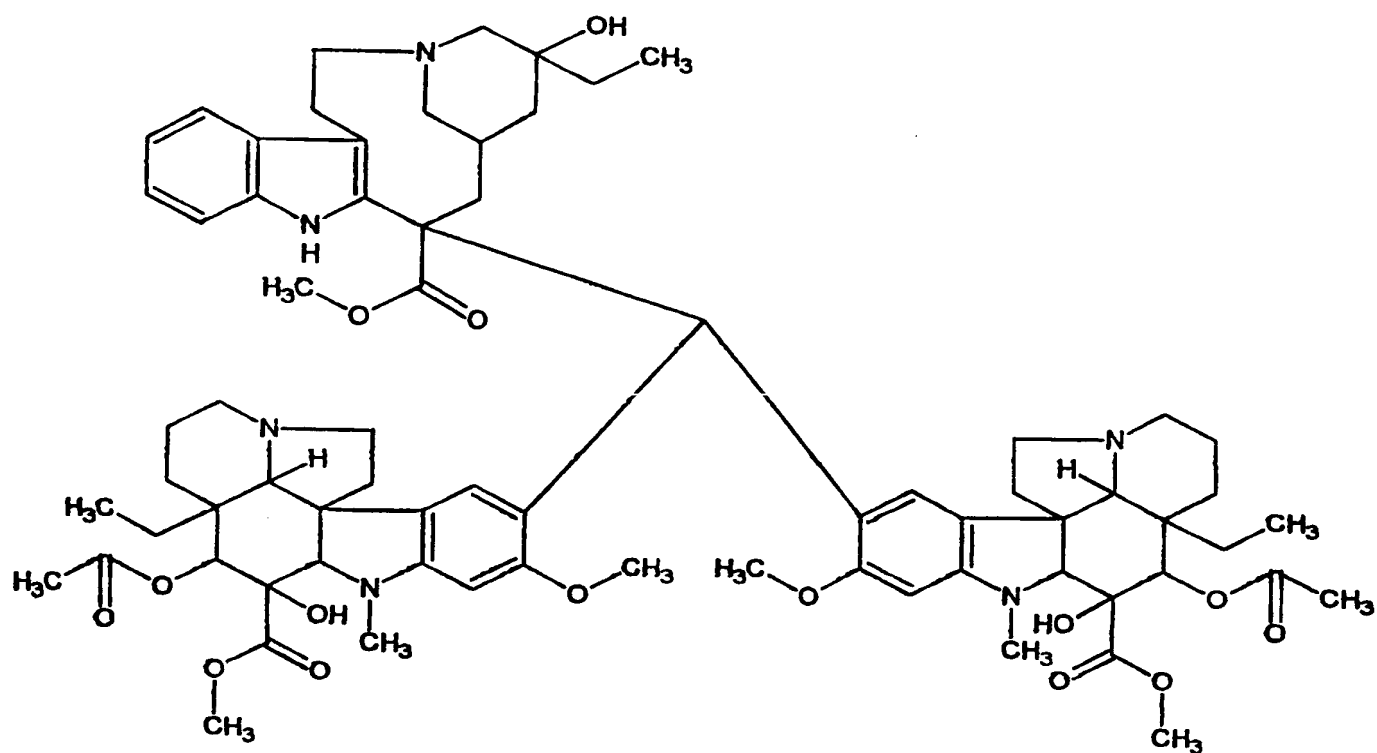


FIG. 10

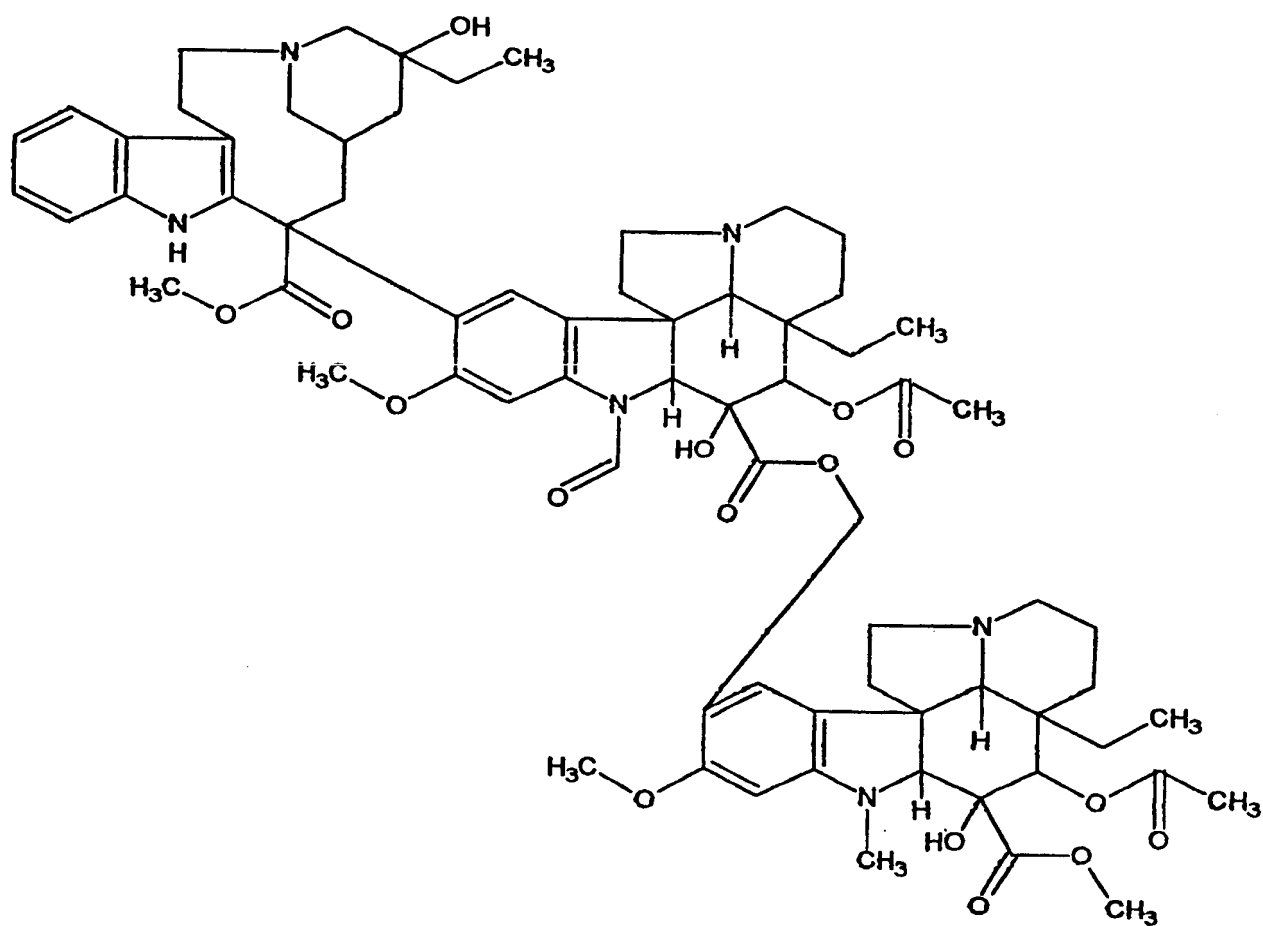


FIG. 11

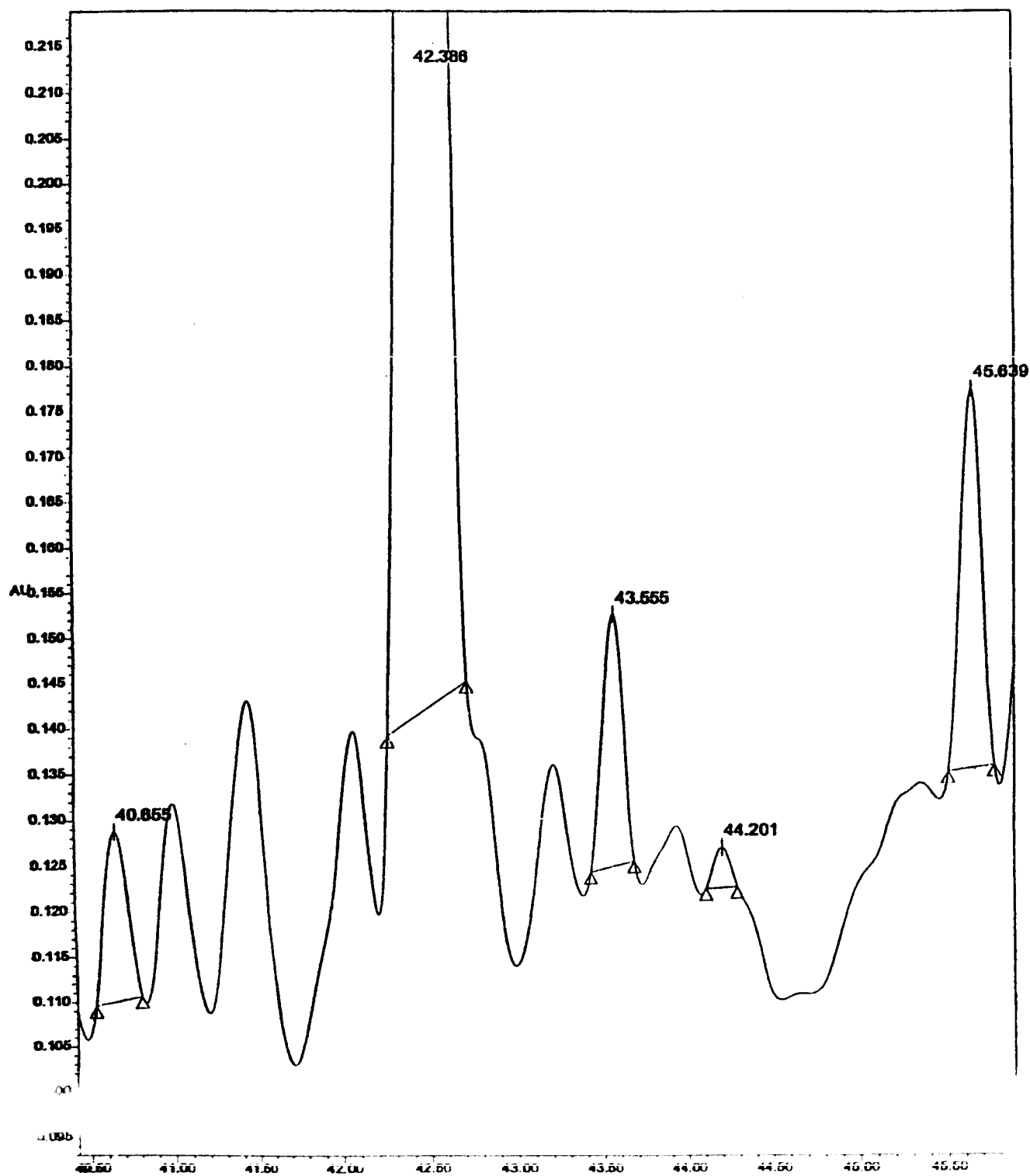


FIG. 12

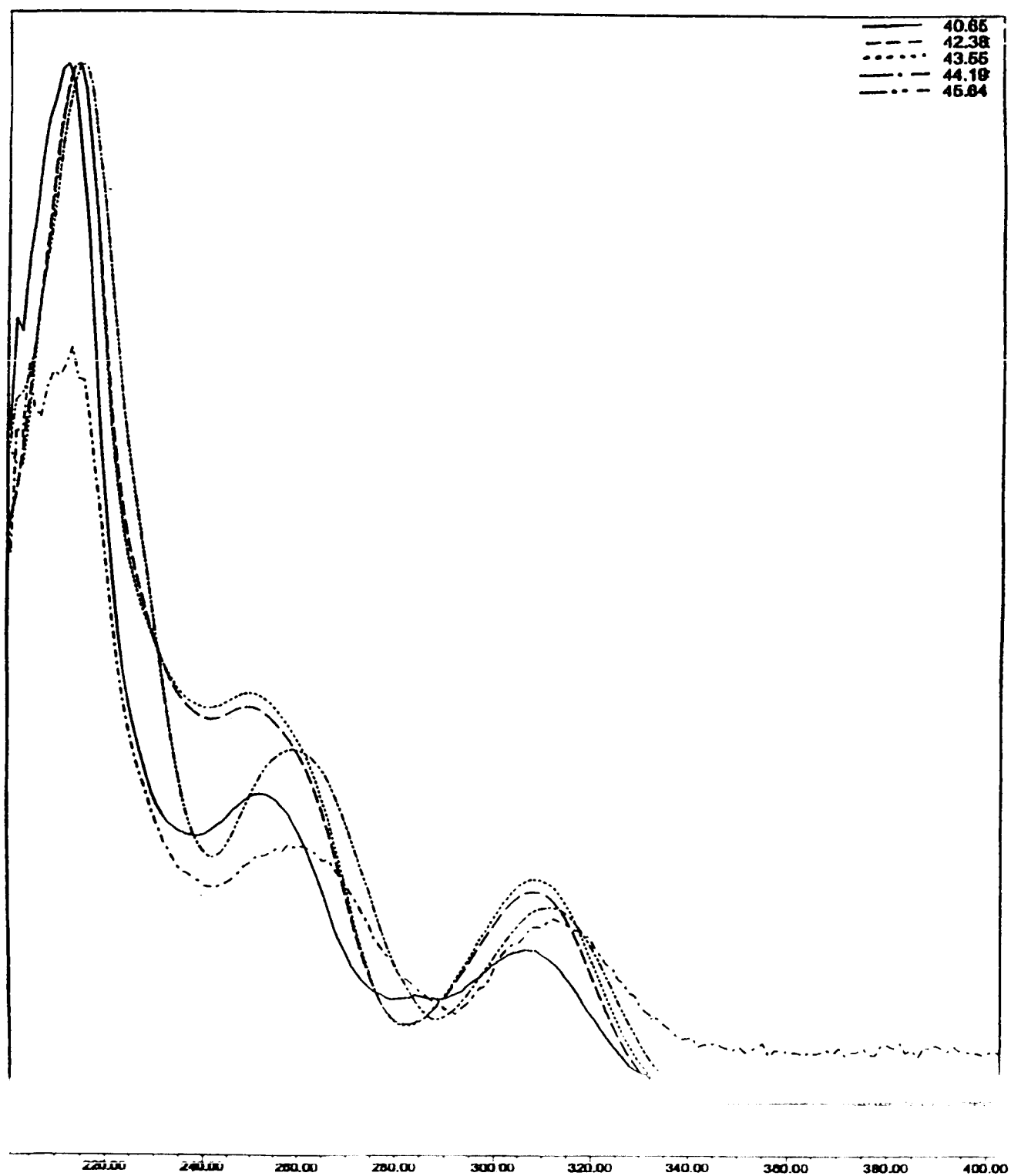


FIG. 13

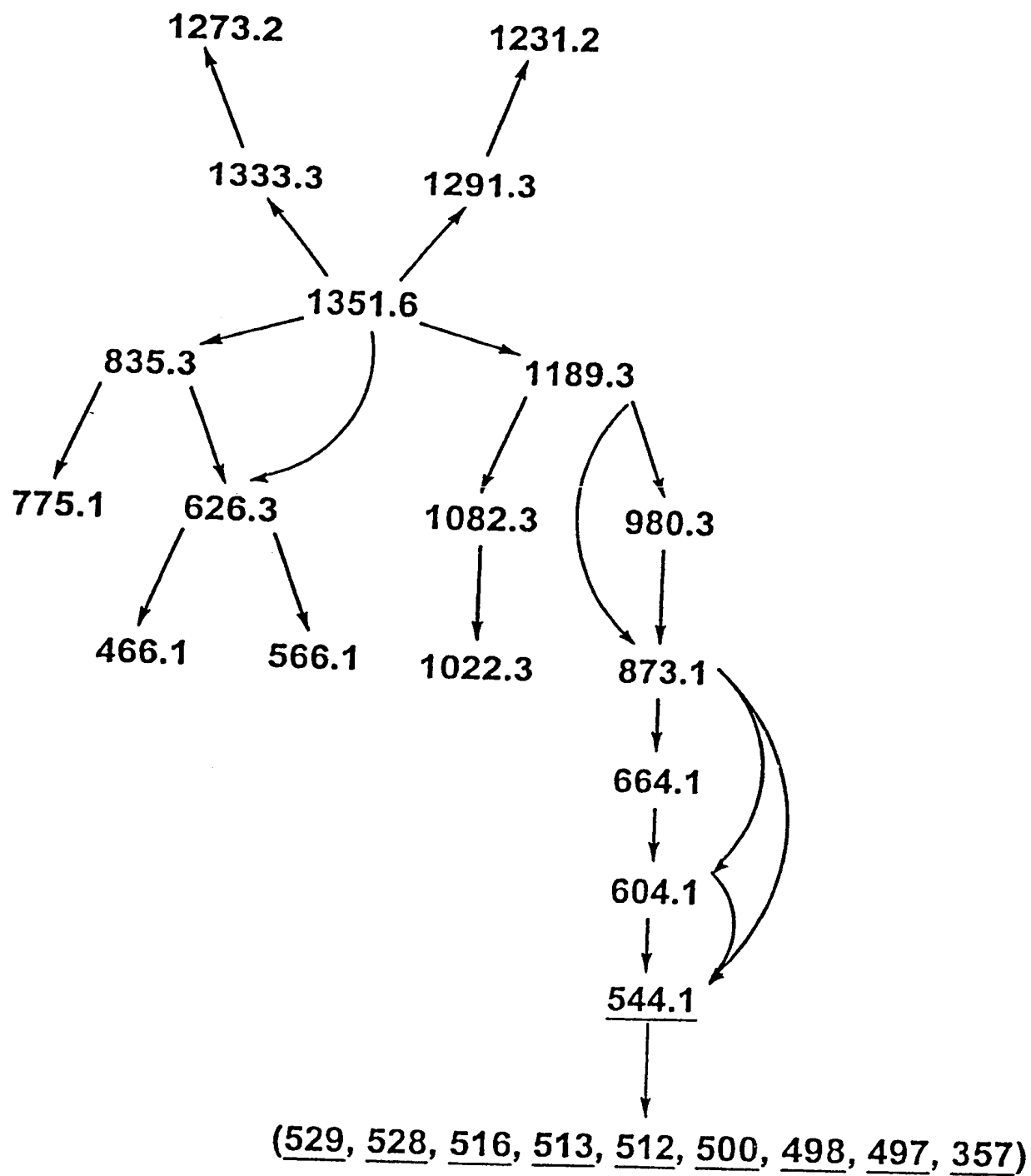


FIG. 14

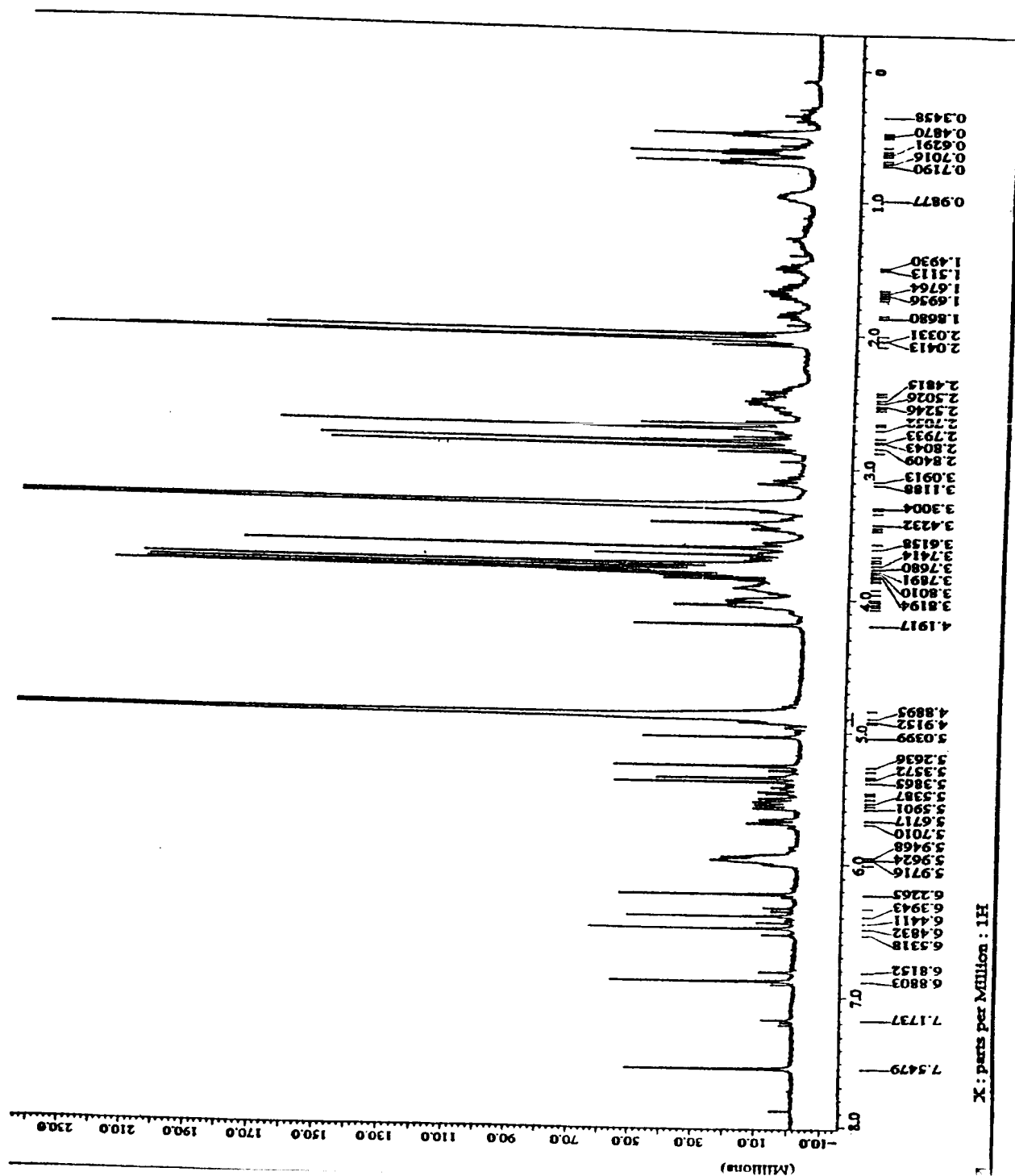


FIG. 15

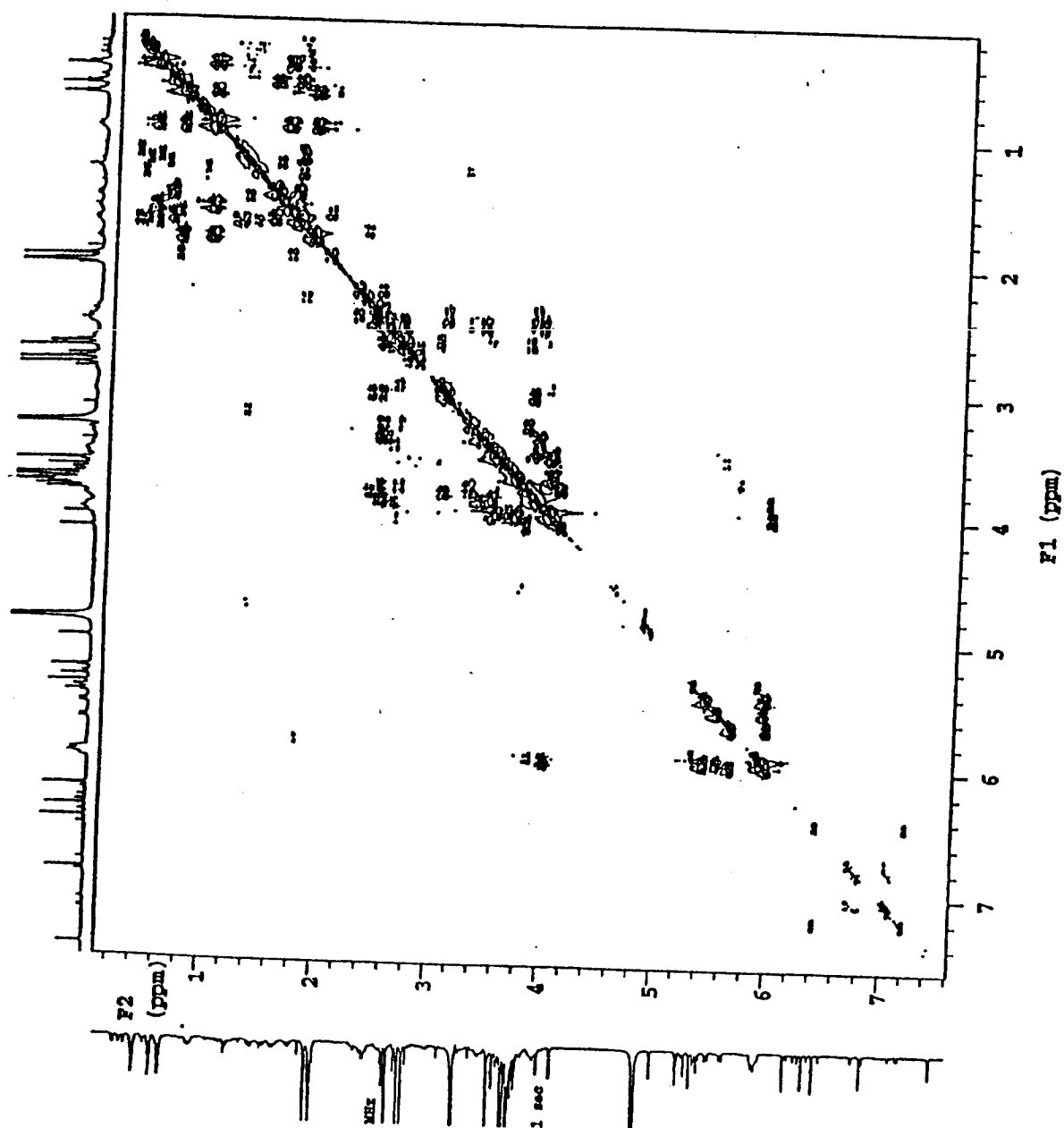


FIG. 16



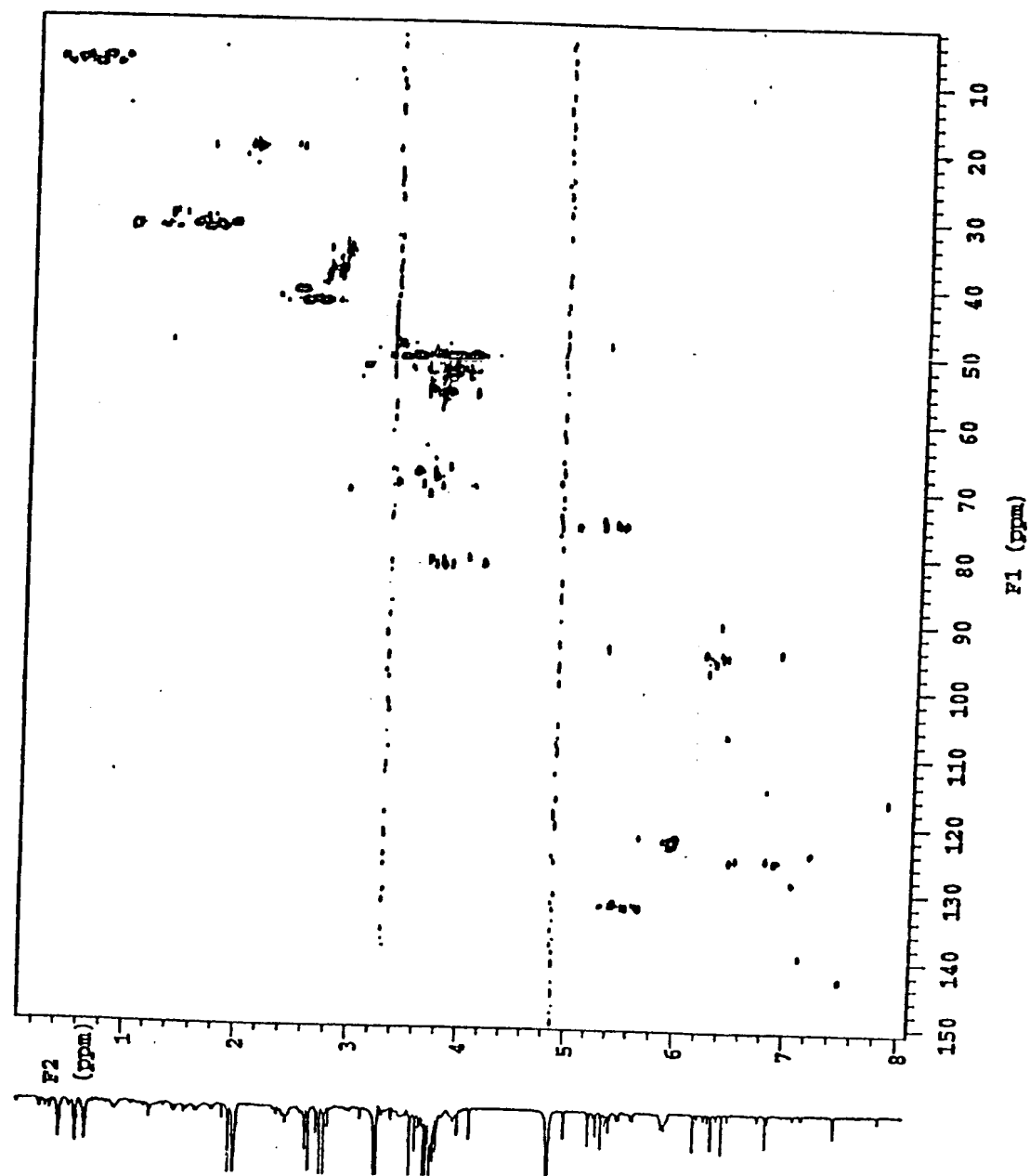


FIG. 17

Ha  
224  
mls  
130  
mol-d4

400

400L DEC. & VT  
27 1999 dfrq 500.134  
cd3od dn H1  
exp dpr 40  
ITION dof 0  
125.770 dn XYV  
C13 dnm V  
0.533 dmf 12366  
32000 dseq  
30018.8 dres 1.0  
not used homo n  
128 temp 20.0  
2 DEC2  
56 dfrq2 0  
8.0 dnf  
1.500 dpr2 1  
0 dof2  
1e+09 dnf  
0 dnm2  
n dnf2  
42 dseq2  
dres2  
n homo2  
n lb  
y lb  
nn wtfile  
proc  
551.9 fn  
5511.3 math  
7203  
0 werr  
200 wexp  
27.56 wbs  
500.00 wnt  
9071.8  
6163.1  
10  
100.000

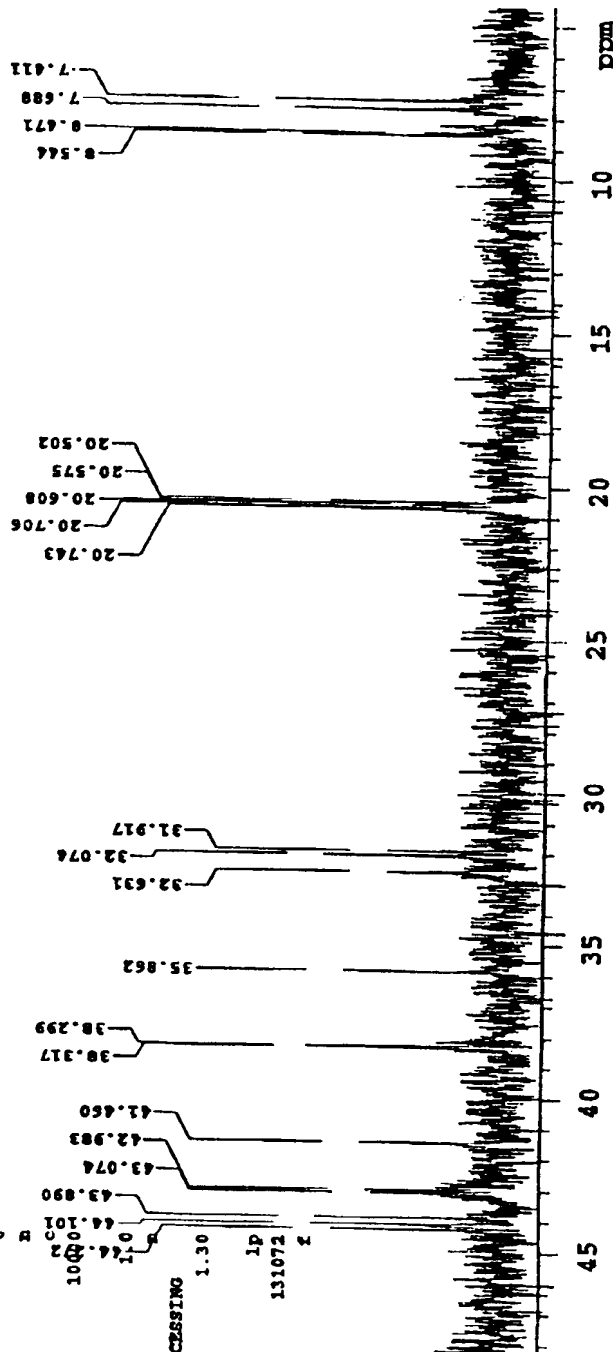


FIG. 18A



22-1  
pool  
ethanol-d4

s2pul

SAMPLE DEC. & VT  
Jul 27 1999 dfrq 500.134  
K1  
cd3od dm 40  
exp dpr 40  
dof 0  
QUISITION  
125.770 dm YYY  
C13 dm w  
0.533 dmf 12346  
32000 dseq  
30018.8 dres 1.0  
not used homo n  
128 temp 20.0  
2 DEC2  
56 dfrq2 0  
8.0 dm2  
1.500 dpr2 1  
0 dof2 0  
1e+09 dm2 n  
0 dm2 c  
n dm2 10000  
42 dseq2 1.0  
dres2 n  
n homo2 n  
PROCESSING  
Y lb 1.30  
n wtfile  
proc lp  
6257.4 fn 131072  
6466.2 math  
7203  
0 werr  
200 wexp  
32.23 wbs  
500.00 wnt  
9071.8  
6162.1  
10  
100.000  
ph

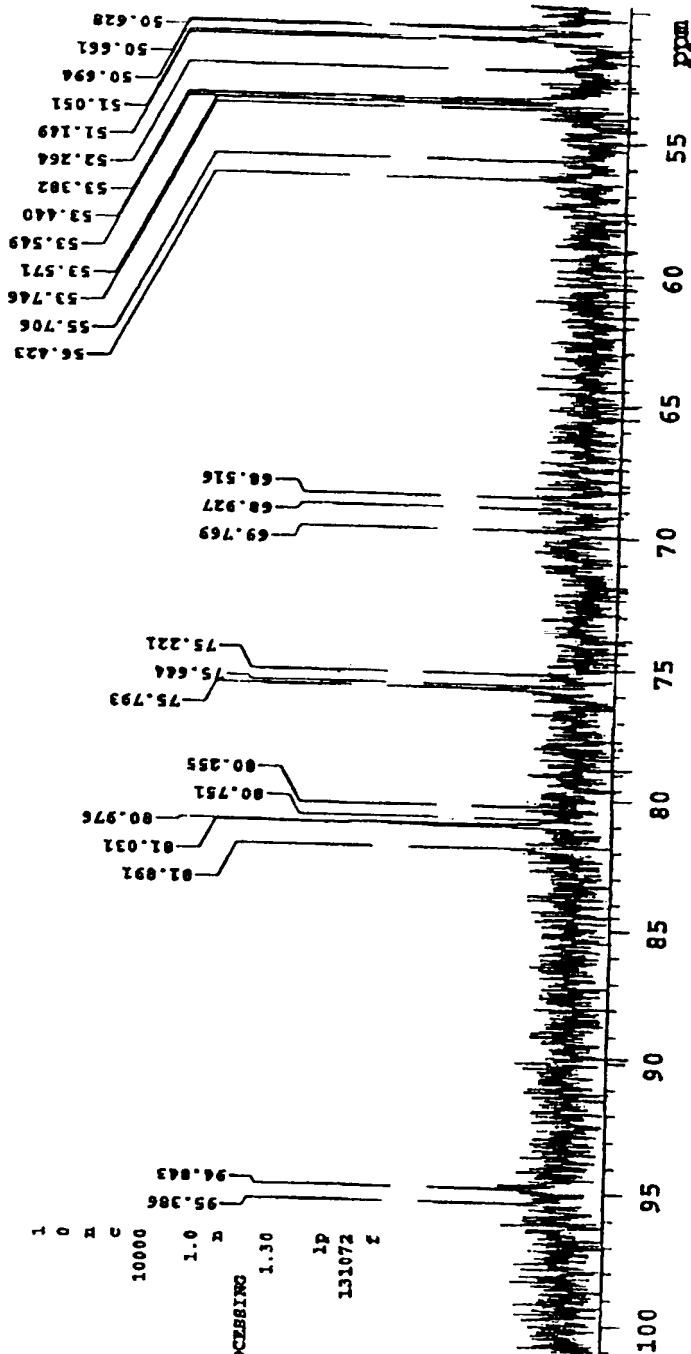


FIG. 18C

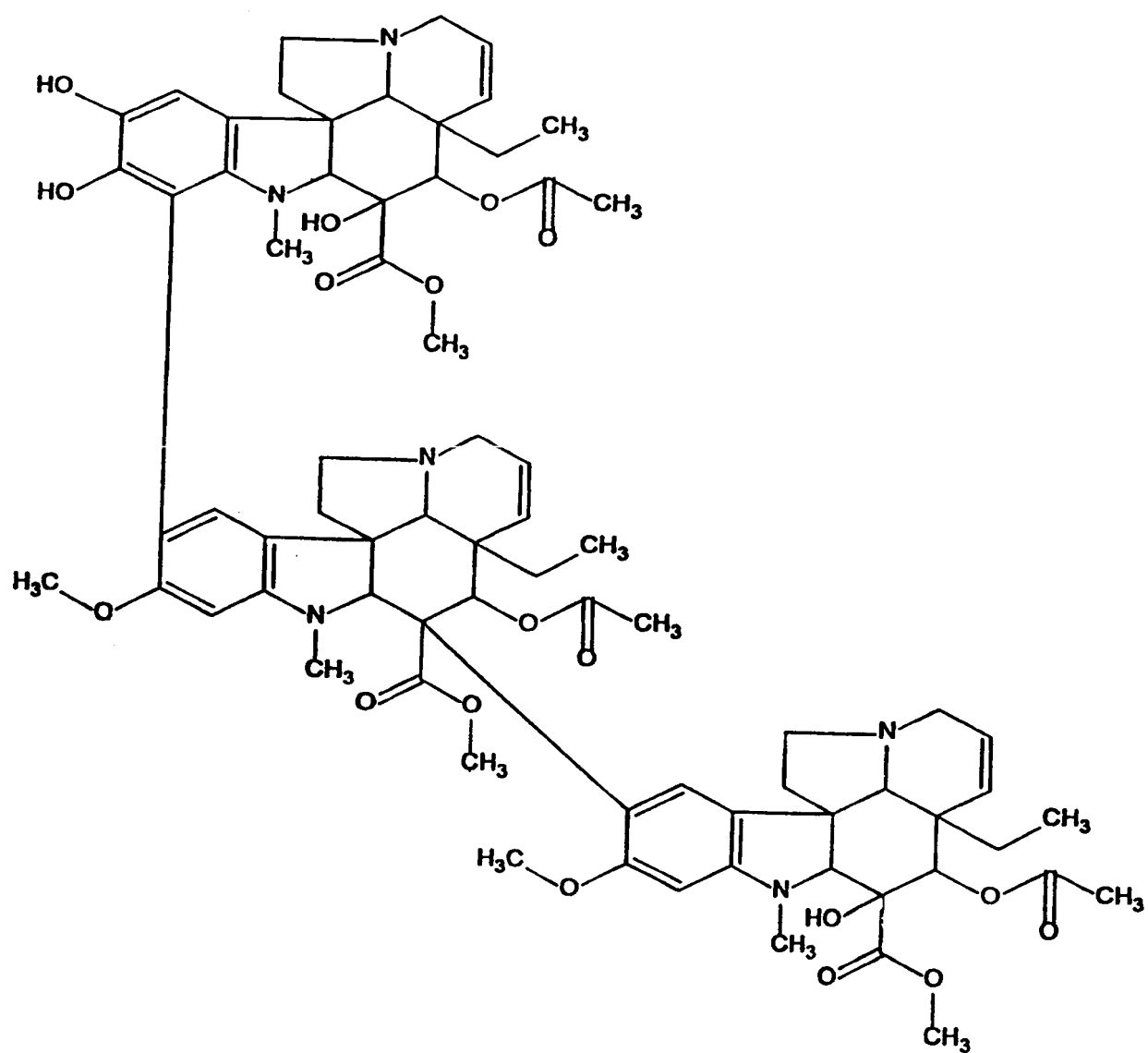


FIG. 19

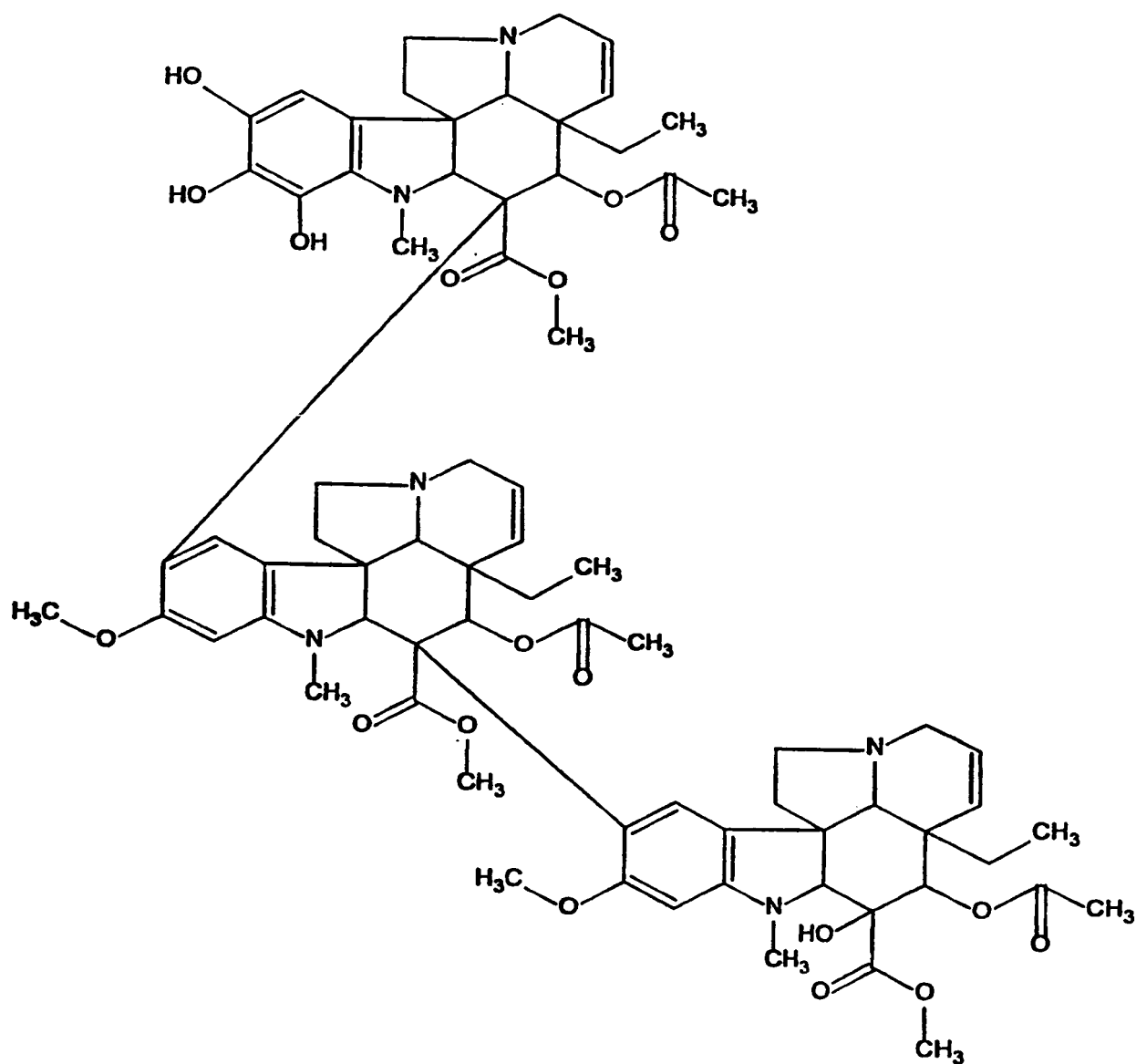


FIG. 20

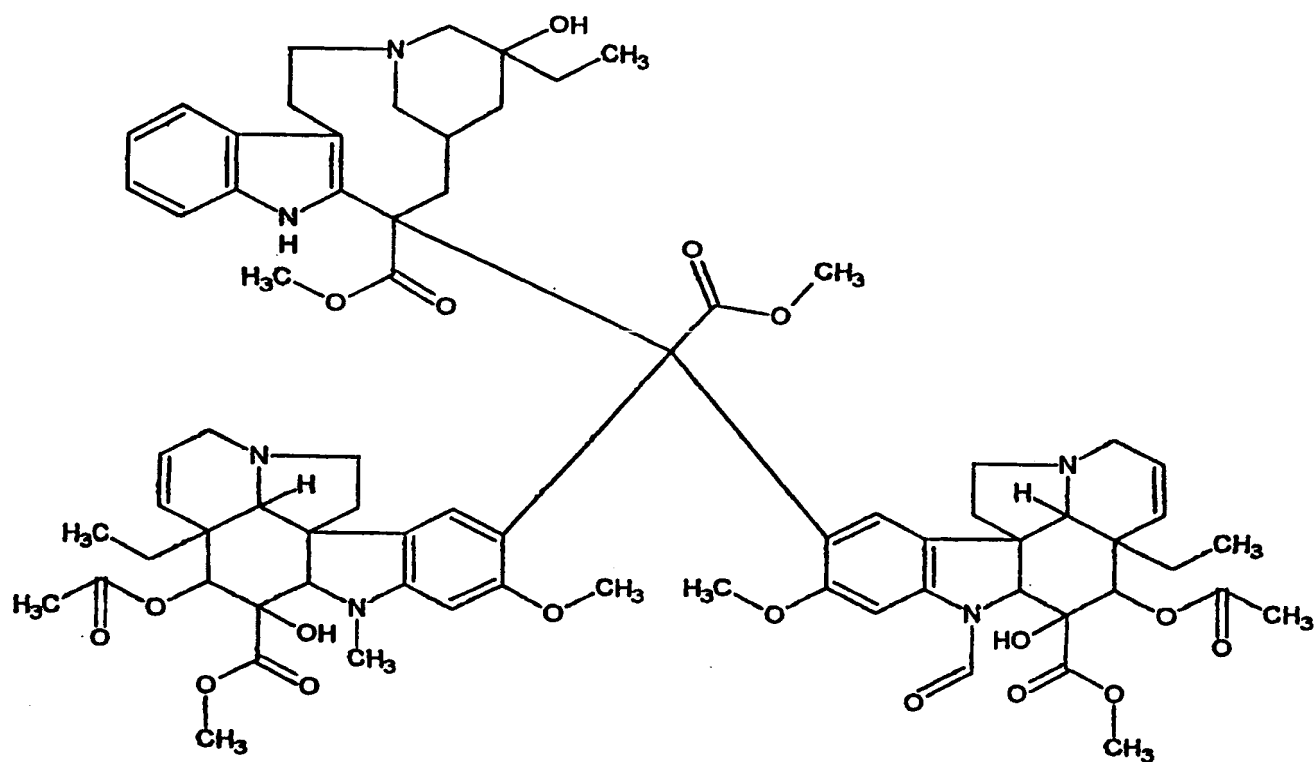


FIG. 21

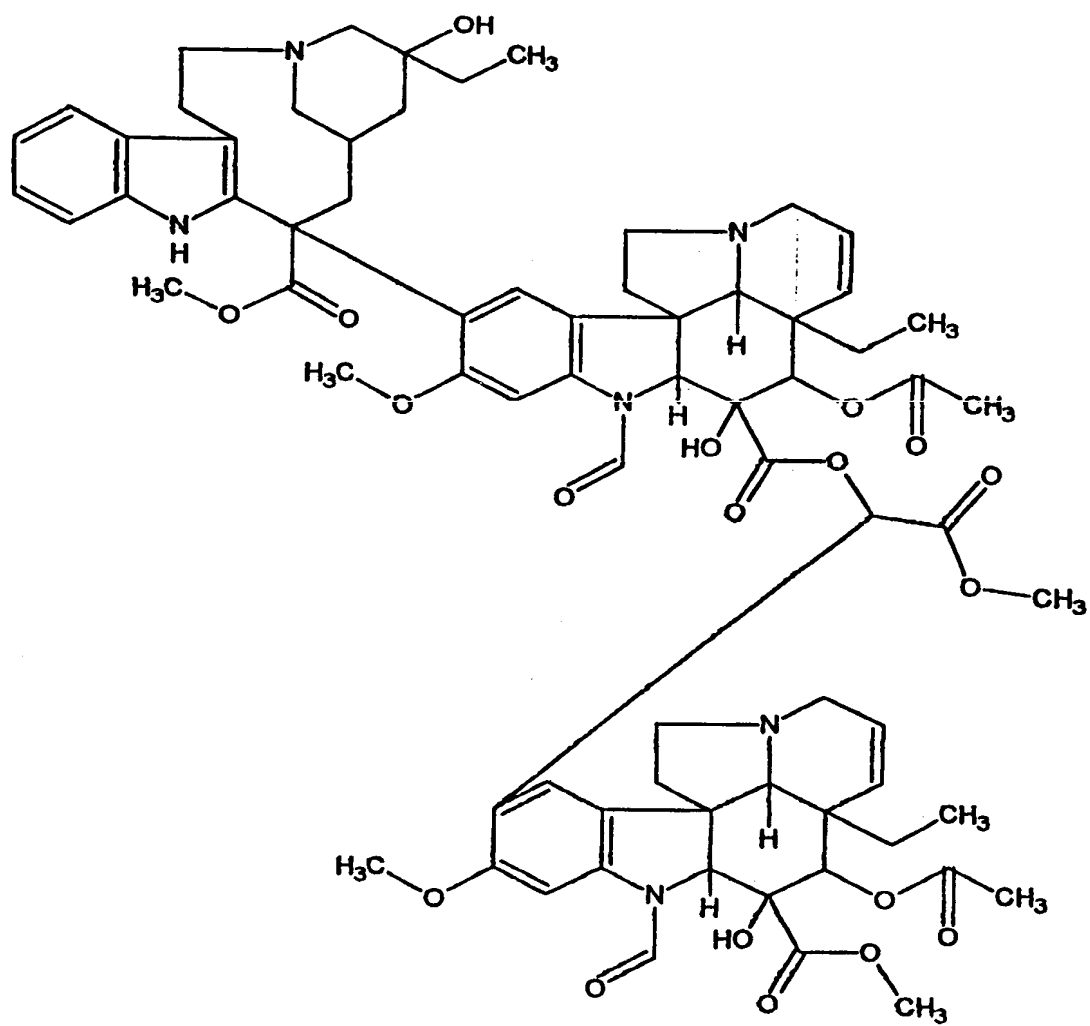


FIG. 22